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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/667,675	09/22/2003	Serguei G. Anikitchev	COHD-5050	9391	
7:	7590 07/14/2005			EXAMINER	
STALLMAN & POLLACK LLP			VANNUCCI, JAMES		
Attn: Michael A			ADTIBUT	DADED MANAGED	
353 Sacramento Street			ART UNIT	PAPER NUMBER	
Suite 2200			2828		
San Francisco,	CA 94111		DATE MAILED, 07/14/200	e	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application No.	Applicant(s)			
		10/667,675	ANIKITCHEV ET AL.			
		Examiner	Art Unit			
		Jim Vannucci	2828			
Period fo	The MAILING DATE of this communication app r Reply	ears on the cover sheet with the c	orrespondence address			
THE I - Exter after - If the - If NO - Failur Any r	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. Issions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing of patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tim within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).			
Status						
1)[🖂	Responsive to communication(s) filed on 22 Se	entember 2003				
	This action is FINAL . 2b)⊠ This action is non-final.					
·						
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
5)⊠ 6)⊠ 7)⊠	Claim(s) 1-13 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) 4-12 is/are allowed. Claim(s) 1 and 3 is/are rejected. Claim(s) 2 and 13 is/are objected to. Claim(s) are subject to restriction and/or election requirement.					
Applicati	on Papers					
10)⊠	The specification is objected to by the Examine The drawing(s) filed on <u>22 September 2003</u> is/a Applicant may not request that any objection to the CREP Replacement drawing sheet(s) including the correction of	are: a)⊠ accepted or b)⊡ object drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority u	nder 35 U.S.C. § 119					
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau ee the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive I (PCT Rule 17.2(a)).	on No d in this National Stage			
Attachment	(s)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date.						
3) 🔀 Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date 9-22-03.	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te atent Application (PTO-152)			

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DETAILED ACTION

Claim Objections

1. Claim 13 is objected to because of the following informalities: it appears the word "from" should be inserted after the word "distance" in line five. Appropriate correction is required.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claim 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3, this claim is vague because there are no antecedent basis for the limitations "said third lens", "said front focal plane" and "said back focal plane" and without these limitations being defined the scope of the claim can not be determined.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1 and 3 are rejected under 35 U.S.C. 102(b) as being anticipated by Reznichenko et al.(6,433,934).

Claim 1, figures 3 and 4 disclose a plurality of diode-lasers(20) arranged in an elongated linear array spaced apart by a distance between their centers having a slow axis parallel to the length direction and a fast axis perpendicular to the slow axis with light being emitted from each of the diode-lasers as a beam diverging in both the fast and slow axes in a general direction of propagation mutually perpendicular to both the fast and slow axes, an optical system having a longitudinal axis parallel to the propagation direction of light from the diode-lasers and having mutually perpendicular fast and slow axes corresponding to the fast and slow axes of the diode-lasers(20), the optical system having a plurality of components including a first lens(22) having positive optical power in the fast axis(fig. 4) and zero optical power in the slow axis(fig. 3), a linear array of cylindrical micro lenses(26) corresponding to each of the diode-lasers(20) having a slow-axis spacing equal to the spacing of the diode-lasers in the diode-laser array where each micro lens has positive optical power in the slow axis(fig. 3) and zero optical power in the fast axis(fig. 4) and a front focal plane and a back focal plane, where the micro lens array is located at a distance from the emitters of the diodelasers(20) greater than the focal length of lenses in the micro lens array(26) but sufficiently closes to the emitters of the diode-lasers(20) that each micro lens receives light from only the diode-laser corresponding thereto, and where the optical system components are selected and arranged to form overlapping elongated images in a

predetermined plane(15) that are cross-sections of the beams from the diode-lasers at a plane corresponding to the front focal plane of the micro lens array(26).

Claim 3, the components of the optical system are arranged to focus the fast axis rays in the back focal plane of the positive lens(22), the front focal plane of the third lens(28) is aligned with the back focal plane of the micro lens array(26) and the predetermined plane of the images is the back focal plane of the third lens(28).

Allowable Subject Matter

- 6. Claims 4-12 are allowed.
- 7. Claims 2 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 8. The following is a statement of reasons for the indication of allowable subject matter.

While all of the optical elements recited in these claims can be found in the prior art, the arrangement of these optical elements as recited was not found in the prior art. Also, combining prior art references to form the recited optical element arrangements can only be done with hindsight reasoning. Consequently, these claims are allowable subject matter.

The limitations that most contributed to the recitations being allowable subject matter are the limitations concerning a second lens having negative optical power in the

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fast axis and zero optical power in the slow axis, or diverging the light in the fast axis and collimating the light in the slow axis.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Some examples of analogous prior art are Ben Oren et al.(5,969,872), Whitney(6,356,380) and Rekow(6,773,142).

Correspondence

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Jim Vannucci whose phone number is (571) 272-1820.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center whose telephone number is (703) 308-0956.

Papers related to Technology Center 2800 applications only may be submitted to Technology Center 2800 by facsimile transmission. Any transmission not to be considered an official response must be clearly marked "DRAFT". The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The Technology Center Fax Center number is (571) 273-8300.

James Vannucci